

Appl. No 10/614,261
Amdt. Dated Jun. 8, 2007
Reply to Final Office Action of Dec. 11, 2006

ABSTRACT AMENDMENT

A. Amendments to Abstract

Applicant respectfully request that the abstract be replaced with the following:

The apparatus for computer control presented here is based on the inventive use of laser-produced speckle light patterns and an optically-sensed digitally-autocorrelated navigation chip with outputs connected to the computer. In one embodiment, the laser speckle light pattern producing means is a physically separate unit. The laser-produced speckle pattern is time invariant and moves in exact correspondence to the movement of the separate unit, that is, the laser and the laser-speckle pattern generating optical component taken as an intact whole. Movement of the unit is registered as corresponding movement of the laser speckle pattern relative to the receiving navigation chip. The navigation chip processes the registered laser-speckle pattern and issues control signals to control the computer.